

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 03128645  
PUBLICATION DATE : 31-05-91

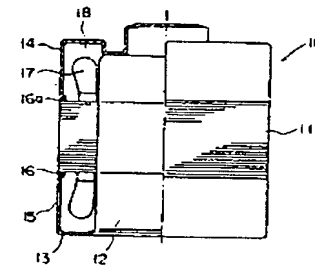
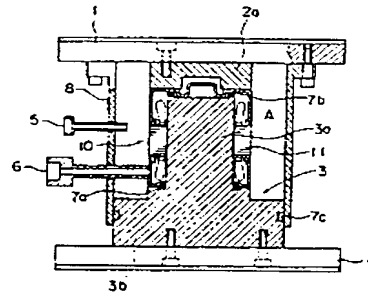
APPLICATION DATE : 11-10-89  
APPLICATION NUMBER : 01262998

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : AOKI YUKIO;

INT.CL. : H02K 15/12

TITLE : RESIN INJECTING DEVICE FOR  
SMALL-SIZED MOTOR



ABSTRACT : PURPOSE: To lessen the kinds of injection molds and also to facilitate replacement by covering the whole of upper and lower injection molds, which have fixed a stator, with an outside cover airtightly, and then vacuumizing the inside of the cover so as to inject resin into the stator.

CONSTITUTION: A stator 10 is put and fixed between upper and lower molds 2a and 3, and these are covered with an outside cover 8 airtightly. And a vacuumizing nozzle 5 and a resin injection nozzle 6 are attached to this outside cover 8. In this condition, a vacuum pump is operated to suck the air inside an air chamber A and the stator 10 made in the outside cover 8, making it vacuumous, and then resin 18 is injected from the resin injection nozzle 6 into the stator 10. When the resin 18 has hardened, the vacuumizing nozzle 5 and the resin injection nozzle 6 are removed from the outside cover 8, and a slide table 4 is let down and the stator 10 is taken out. Hereby, even if the outside diameter or the length of the stator is different, resin can be injected by using the injection mold as it is or merely by replacing some of it.

COPYRIGHT: (C)1991,JPO&Japio